

Att'y Dkt. No.: US-162

U.S. App. No: 10/790,224

IN THE CLAIMS:

Kindly rewrite Claims 1-10 as follows, in accordance with 37 C.F.R. § 1.121:

1. (Currently amended) An isolated coryneform bacterium which has an L-arginine- or L-lysine-producing ability, and wherein said bacterium is modified so that glutamine synthetase activity is enhanced as compared to a wild-type coryneform bacterium, and wherein said bacterium is also modified so that an arginine repressor does not function normally, wherein said arginine repressor comprises a protein which is 90% or more homologous to the protein of SEQ ID NO: 16.

2. (Currently amended) The isolated coryneform bacterium of claim 1, which comprises a modification that results in adenylation of glutamine synthetase being reduced or eliminated.

3. (Currently amended) The isolated coryneform bacterium of claim 2, wherein said modification ~~is comprises selected from the group consisting of~~

a) ~~mutating the adenylation site of glutamine synthetase;~~

b) ~~reducing the intracellular activity of glutamine synthetase adenylyltransferase,~~

c) ~~reducing the intracellular activity of PII protein, and~~

d) ~~increasing the intracellular activity of glutamine synthetase by modifying a nitrogen metabolism regulation protein, wherein said modification comprises replacement of tyrosine at position 405 with another amino acid in the protein of SEQ ID NO: 20, or in a protein which is 90% or more homologous to the protein of SEQ ID NO: 20.~~

4. (Canceled).

5. (Withdrawn) The coryneform bacterium of claim 3, wherein a gene encoding

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the glutamine synthetase adenylyltransferase on a chromosome of said bacterium is disrupted.

6. (Withdrawn, Currently Amended) The coryneform bacterium of claim 3, wherein the nitrogen metabolism regulation protein is an *amtR* gene product which does not function normally.

7. (Withdrawn) The coryneform bacterium of claim 6, wherein said *amtR* gene product on a chromosome of said bacterium is disrupted.

8. (Canceled).

9. (Currently amended) The isolated coryneform bacterium of claim 8, wherein ~~a~~ the gene on a chromosome of said bacterium encoding the arginine repressor is disrupted.

10. (Withdrawn) A method for producing L-arginine or L-lysine, comprising the steps of

- a) culturing the coryneform bacterium according to claim 1 in a medium, and
- b) allowing accumulation of L-arginine or L-lysine in the medium, and
- c) collecting the L-arginine or L-lysine from the medium.